

Use of eDNA Methodology as a Survey Tool for Cryptic or Endangered Aquatic Organisms

Join the California Water Quality Monitoring Collaboration Network along with Gregg Schumer, Director of Lab Services- Genidaqs for the presentation “Use of eDNA Methodology as a Survey Tool for Cryptic or Endangered Aquatic Organisms” on Wednesday December 19, 2018 from 11:30 AM -12:30 PM.

Webinar Topic and Agenda Pages can be found [here](#).

Topic: Use of eDNA Methodology as a Survey Tool for Cryptic or Endangered Aquatic Organisms

eDNA as a survey technique for use in determining occupancy of cryptic or rare aquatic species is a relatively new field. While the goal of most eDNA surveys is the same there are many non standardized approaches to sample acquisition, data generation, interpretation, and subsequent communication. Over the past 8 years Genidaqs has worked to develop relevant approaches for detecting eDNA from, California red legged frog, California tiger salamander, Giant garter snake, Delta smelt, green sturgeon and a number of other cryptic or rare species. This presentation will review eDNA case studies and outline a basic eDNA methodology for determining occupancy.

Presenter: Gregg Schumer

Gregg is the Director of Lab Services for the Genidaqs Laboratory at Cramer Fish Sciences. For the past 8 years Gregg has worked to adapt and transfer the technology from traditional lab based molecular biology techniques for use in the fields of ecology and resource management. This 8 year pursuit has resulted in dozens of eDNA surveys across the Western United States in both aquatic and terrestrial environments, as well as, population genetic studies for some of California’s endangered and protected fish species. www.fishsciences.net www.genidaqs.com

WEBEX MEETING INVITATION:

.....

[Join Skype Meeting](#)

Trouble Joining? [Try Skype Web App](#)

Join by phone

Toll number: +1 (916) 562-0861,,76441560# (Dial-in Number)

English (United States)

[Find a local number](#)

Conference ID: 76441560

[Forgot your dial-in PIN?](#) | [Help](#)

.....

CWQMCN Communication:

- CWQMCN webinar listserv:

www.waterboards.ca.gov/resources/email_subscriptions/swrcb_subscribe.shtml

After opening the above web-site, enter your email address and name, click on State Water Resources Control Board - Covering statewide issues, next click General Interests, and then place a check mark next to "Water Quality Monitoring Collaboration Network - Webinar Sessions", then click the "subscribe" button.

- We have set up a webpage for the California Water Quality Monitoring Collaboration Network www.mywaterquality.ca.gov/monitoring_council/collaboration_network/index.html

- We also have a LinkedIn Group, California Water Quality Monitoring Professional Network. This group was formed to facilitate water quality monitoring communication and discussions. www.linkedin.com.

CWQMCN YouTube Channel: <https://www.youtube.com/user/CWQMCN>